MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER 1923

J. A. BROWN, DIRECTOR

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MAR 25 1924

DECEMBER 1923

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sunshine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	763.8	763.5	762.7	763.3	22.5	19.8		0	4.65
2	2.2	1.3	1.5	1.7	22.6	17.4		0.1	1.02
3	2.6	1.9	3.1	2.5	21.7	17.2		8.0	
4	5.0	4.0	4.4	4.5	22.1	17.0		7.8	
5	4.3	3.0	3.2	3.5	21.7	17.2	—	6.3	
6	4.2	3.2	4.0	3.8	21.7	14.7		7.4	9.65
7	4.5	3.3	3.4	3.7	19.9	15.1		7.3	
8	3.0	1.5	1.5	2.0	22.3	16.3		0.6	
9	1.0	0.0	1.1	0.7	22.6	17.7		6.2	
10	3.9	3.1	4.2	3.7	20.7	16.6	—	6.0	
11	4.7	3.6	3.7	4.0	20.6	15.0		2.2	
12	4.1	2.9	3.5	3.5	19.3	14.3		6.5	
13	4.9	4.1	4.5	4.5	19.3	14.3		6.8	
14	4.5	2.7	1.7	3.0	19.4	14.2		6.1	
15	59.8	57.9	57.8	8.5	20.5	16.1	—	4.8	2.29
16	8.8	7.7	9.3	8.6	17.9	12.2		3.2	43.67
17	61.9	61.5	61.4	1.6	17.8	11.7		2.5	9.92
18	59.6	58.6	0.0	59.4	18.7	11.6		0	24.25
19	63.7	63.0	3.5	3.4	17.3	12.8		7.3	0.38
20	5.2	5.0	5.4	5.2	17.9	12.6	—	1.2	7.49
21	5.1	4.4	4.1	4.5	20.7	13.6		0.9	0.38
22	59.9	0.1	0.5	0.2	23.4	17.3		1.4	
23	9.6	57.5	0.8	59.3	20.2	17.2		0	15.11
24	65.7	65.7	4.9	65.4	20.2	11.1		1.4	2.03
25	0.7	2.8	3.7	2.1	19.3	12.6	—	0	14.85
26	4.5	3.2	3.4	3.7	18.2	12.2		0.3	1.27
27	2.6	2.1	2.4	2.4	17.9	13.1		0.1	0.51
28	3.8	3.2	4.1	3.7	18.2	12.3		5.4	2.42
29	5.3	5.4	6.4	5.7	18.5	14.5		0.2	
30	5.5	3.1	1.8	3.5	18.5	13.0		6.7	
31	59.4	59.0	0.6	59.6	19.0	14.0		1.5	
	763.3	762.2	762.7	762.7	20.0	14.4		3.5	139.9

BAROMETER

Maximum	766.4	on 29th
Minimum	757.5	on 23rd

THERMOMETER

Maximum	23.4	on 22nd
Minimum	11.1	on 24th
Minimum on grass		on

RAINFALL

Maximum	43.67 mm.	on 16th

Number of days with rain 16 thunderstorms 4 fog 0 gale 5

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Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	21.0	18.6	19.8	19.8	17.7	17.8	18.2	12.8	14.7	14.4	14.0	69	93	84	82
2	21.2	21.9	19.7	20.9	16.5	16.0	15.3	11.1	10.1	10.3	10.5	59	51	60	57
3	19.8	20.9	18.3	19.6	16.3	15.7	15.1	11.6	10.2	10.8	10.9	67	55	69	64
4	19.8	21.9	18.6	20.1	14.6	16.5	15.6	9.4	10.8	11.2	10.5	53	55	71	60
5	19.0	21.2	19.1	19.8	15.6	17.7	16.3	10.9	12.8	12.0	11.9	67	69	73	69
6	17.9	19.8	17.1	18.3	14.9	17.1	15.7	10.8	12.6	12.4	11.9	71	74	86	77
7	17.3	19.7	18.2	18.4	14.8	15.8	15.4	11.0	11.0	11.2	11.1	75	64	73	71
8	20.0	21.0	18.2	19.7	14.1	16.0	13.2	8.8	10.6	8.6	9.3	50	57	55	54
9	21.1	22.0	19.8	20.3	14.7	16.2	16.5	9.4	10.3	11.9	10.5	54	52	70	59
10	18.5	20.1	16.9	18.5	15.8	16.3	14.8	11.6	11.5	10.9	11.3	74	65	76	71
11	17.8	17.2	16.7	17.2	13.8	16.2	14.8	9.4	13.0	11.3	11.2	62	90	80	77
12	17.2	18.6	18.2	18.0	13.8	14.7	15.1	9.6	9.9	10.9	9.8	66	64	70	67
13	16.0	19.1	16.2	17.1	12.6	13.8	15.3	8.9	9.0	12.4	10.1	66	55	91	71
14	16.8	19.1	19.2	18.4	13.1	14.5	14.6	9.1	9.7	9.7	9.5	64	59	59	61
15	18.1	20.0	17.7	18.6	13.8	15.7	15.7	9.3	10.7	11.9	10.6	60	61	79	77
16	12.5	16.7	12.8	14.0	12.6	13.5	10.6	10.5	9.7	8.3	9.5	96	69	75	80
17	13.9	16.3	14.9	15.0	12.6	10.9	13.0	10.0	7.0	10.0	9.0	84	51	79	71
18	17.2	16.2	14.5	16.0	14.6	14.3	13.6	10.4	11.0	11.0	10.8	70	80	89	80
19	14.6	17.2	15.2	15.6	11.9	13.0	12.0	9.0	8.8	8.7	8.8	73	61	68	67
20	13.9	16.4	15.7	15.3	12.6	14.3	13.7	10.0	10.8	10.4	10.4	85	78	79	81
21	17.8	19.2	18.3	18.4	12.9	14.6	12.6	8.4	9.7	8.0	8.7	56	59	50	55
22	21.9	21.4	19.7	21.0	16.2	17.8	15.6	10.4	12.7	10.7	11.3	53	67	62	61
23	17.6	16.2	15.2	16.3	14.1	15.1	12.4	9.8	11.9	9.2	10.3	66	88	71	75
24	15.3	16.3	13.4	15.0	11.2	12.4	10.2	7.8	8.5	7.7	8.0	60	62	67	63
25	15.8	16.6	16.4	16.3	12.7	12.7	12.1	9.2	8.8	8.2	8.7	69	63	59	64
26	13.7	17.6	15.0	15.4	12.6	14.0	12.8	9.9	9.8	9.7	9.8	87	65	76	78
27	16.2	15.9	13.7	15.3	13.4	13.7	11.2	9.8	10.2	8.5	9.5	72	77	73	74
28	15.9	17.6	15.2	16.2	13.6	14.1	11.9	10.1	9.8	8.6	9.5	75	66	67	69
29	16.3	18.2	15.1	16.7	13.1	14.0	13.0	9.4	10.2	9.9	9.8	68	66	77	70
30	15.1	18.2	15.7	16.3	12.4	14.3	13.1	9.1	9.9	9.7	9.6	72	63	73	69
31	17.4	17.6	14.0	16.5	13.7	14.1	12.9	9.6	9.8	9.2	9.5	65	65	75	69
	17.3	18.7	16.0	17.5	13.9	14.9	13.9	9.9	10.5	10.2	10.2	68	65	72	69

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

DECEMBER 1923

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	10cu n	10n	10cu n	10	1	0	1ne	114.1	v. slight	
2	9cu n	10cu n	1	6.7	1	0	0	182.9	calm	
3	0	0	1s	0.3	0	1ne	0	80.8	v. slight	lightning west
4	3ci s	1s	2n	2.0	0	1w	0	72.6	calm	
5	2	1	3	2.0	0	0	0	55.8	,,	
6	0	0	0	0	0	2ne	0	144.2	,,	lightning
7	0	0	1	0.3	0	2ne	0	90.4	v. slight	dew at night
8	7s	9n	0	5.3	1se	2ne	0	146.9	calm	
9	0	2cu n	1	1.0	0	1ne	0	70.2	v. slight	
10	1	0	0	0.3	0	3	0	146.6	,,	dew at night
11	4cu s	5cu n	0	3.0	0	1	0	104.3	slight	
12	0	0	0	0	1ne	2ne	2ne	130.8	,,	
13	0	0	0	0	0	2ne	0	152.4	v. slight	
14	0	0	6	2.0	0	3ne	3ne	109.6	,,	
15	2cu s	8cu n	9cu n	6.3	0	2ne	3	225.9	,,	
16	10n	9cu n	10n	9.7	1	3s	0	363.8	slight	thunder, gale
17	9cu n	9n	9n	9.0	1s	3	2	249.8	,,	lightning
18	9n	8cu n	10n	9.0	3	3	0	405.4	rough	thunder, gale
19	2	1	10cu n	4.3	1	0	0	178.3	slight	
20	10n	9n	8cu n	9.0	0	2s	1	251.3	v. slight	
21	3cus	10cu n	1cu s	5.7	2	1s	0	245.9	,,	
22	6cu n	10cu n	10	8.7	2s	1	3s	309.5	slight	
23	9cu n	9cu n	9n	9.0	4	5	5	647.2	v. rough	gale at night
24	5cu n	9cu n	10cu n	8.0	3	2	0	441.1	rough	gale
25	10cu n	7n	5cu n	7.3	5s	3	4	626.9	,,	gale
26	10cu n	9cu n	10cu n	9.7	0	3	0	233.9	slight	
27	9cu n	8cu n	0	5.7	0	2	0	265.2	v. slight	
28	7cu n	4cu n	1	4.0	1ne	2w	2se	293.7	slight	
29	10n	10cu n	0	6.7	2s	2	0	492.1	rough	
30	3ci	2ci	3	2.7	0	2ne	0	153.5	slight	
31	10cu n	1	0	3.7	1	2s	0	179.6	,,	
				4.9				224.6		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	2	0	1	4	9	0	0	15
2:30	0	10	0	0	4	11	2	0	4
8:30	0	3	0	1	1	6	0	0	20
Totals	0	15	0	2	9	26	2	0	39

N.B.—Cloud numbers without letters are all cu.
Wind ,, ,, ,, ,, ,, sw.